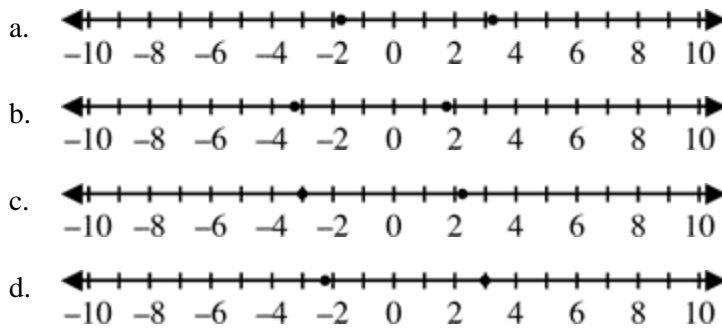


Algebra II Chapter 1 Quiz

_____ 1. Which of the following number lines shows the graphs of $-\sqrt{3}$ and $\frac{13}{4}$?



_____ 2. Simplify the expression. $4(x - 1) - 5(x - 1)$

- a. $4x - 1$
- b. $-x + 9$
- c. $4x - 9$
- d. $-x + 1$

_____ 3. Solve the equation. $\frac{t}{4} = 22$

- a. 88
- b. 86
- c. 92
- d. 90

_____ 4. Solve the equation. $-10 + 2x = 4$

- a. 5
- b. -9
- c. -3
- d. 7

5. How long does it take to travel 150 miles at an average speed of 60 miles per hour?

6. What is your hourly earning rate if you earn \$45 working 3 hours?

Evaluate each expression for the given values.

7. $5v - 3w$ when $v = -5$ and $w = 2$

8. $4m(3m - 2)$ when $m = -2$.

Simplify each expression.

9. $-2 + 5z + 8z + 9$

10. $-(-3x + 2y)$

Solve each equation

11. $2(6x - 4) = 24 + 4x$

12. $\frac{q}{4} + 9 = 15$